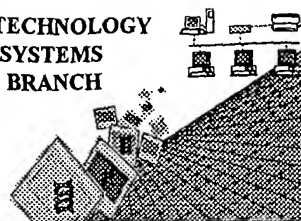


0308

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/062,467  
Source: OIPF RUSH  
Date Processed by STIC: 3/4/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**  
**VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or,  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/062,467

DATE: 03/04/2003

TIME: 07:56:50

Input Set : A:\Epicyte(0204).txt

Output Set: N:\CRF4\03042003\J062467.raw

3 <110> APPLICANT: EPICYTE PHARMACEUTICAL, INC.  
 4 HIATT, ANDREW C.  
 5 HEIN, MICH B.  
 6 FITCHEN, JOHN H.  
 8 <120> TITLE OF INVENTION: NOVEL EPITHELIAL TISSUE IMAGING AGENT  
 10 <130> FILE REFERENCE: 068904-0204  
 12 <140> CURRENT APPLICATION NUMBER: US/10/062,467  
 13 <141> CURRENT FILING DATE: 2002-02-05  
 15 <150> PRIOR APPLICATION NUMBER: 09/005,167  
 16 <151> PRIOR FILING DATE: 1998-01-09  
 18 <150> PRIOR APPLICATION NUMBER: 08/782,480  
 19 <151> PRIOR FILING DATE: 1997-01-10  
 21 <160> NUMBER OF SEQ ID NOS: 93  
 23 <170> SOFTWARE: PatentIn 3.0

*ppr 1-9*  
**Does Not Comply**  
**Corrected Diskette Needed**

## ERRORED SEQUENCES

*global error*  
 26 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 137  
 E--> 28 <212> TYPE: Protein *invalid response, per Sequence Rules use PRT, instead*  
 29 <213> ORGANISM: Human  
 31 <220> FEATURE:  
 E--> 32 <221> NAME/KEY: miscfeature *use underscore, NOT hyphen* (see 1.823 of Sequence Rules)  
 33 <222> LOCATION: Synthetic polypeptide J chain  
 35 <400> SEQUENCE: 1 → <223> ✓  
 36 Gln Glu Asp Glu Arg Ile Val Leu Val Asp Asn Lys Cys Lys Cys Ala  
 37 1 5 10 15  
 39 Arg Ile Thr Ser Arg Ile Ile Arg Ser Ser Glu Asp Pro Asn Glu Asp  
 40 20 25 30  
 42 Ile Val Glu Arg Asn Ile Arg Ile Ile Val Pro Leu Asn Asn Arg Glu  
 43 35 40 45  
 45 Asn Ile Ser Asp Pro Thr Ser Pro Leu Arg Thr Arg Pro Val Tyr His  
 46 50 55 60  
 48 Leu Ser Asp Leu Cys Lys Lys Cys Asp Pro Thr Glu Val Glu Leu Asp  
 49 65 70 75 80  
 51 Asn Gln Ile Val Thr Ala Thr Gln Ser Asn Ile Cys Asp Glu Asp Ser  
 52 85 90 95  
 55 Ala Thr Glu Thr Cys Tyr Thr Tyr Asp Arg Asn Lys Cys Tyr Thr Ala  
 56 100 105 110  
 58 Val Val Pro Leu Val Tyr Gly Gly Glu Thr Lys Met Val Glu Thr Ala  
 59 115 120 125  
 61 Leu Thr Pro Asp Ala Cys Tyr Pro Asp

*use line*  
<223> *for*  
any explanatory  
material

*line <222> is*  
*for nucleotide or*  
*amino acid*  
*location only*  
 3/4/03

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/062,467

DATE: 03/04/2003

TIME: 07:56:50

Input Set : A:\EpicYTE(0204).txt

Output Set: N:\CRF4\03042003\J062467.raw

```

62          130          135
65 <210> SEQ ID NO: 2
66 <211> LENGTH: 135
E--> 67 <212> TYPE: Protein
68 <213> ORGANISM: Mouse
70 <220> FEATURE:
W--> 71 <221> NAME/KEY: misc-feature
72 <222> LOCATION: Synthetic polypeptide J chain
74 <400> SEQUENCE: 2
75      Gln Asp Glu Asn Glu Arg Ile Val Val Asp Asn Lys Cys Lys Cys Ala
76      1          5          10          15
78      Arg Ile Thr Ser Arg Ile Ile Pro Ser Ala Glu Asp Pro Ser Gln Asp
79          20          25          30
81      Ile Val Glu Arg Asn Val Arg Ile Ile Val Pro Leu Asn Ser Arg Glu
82          35          40          45
84      Asn Ile Ser Asp Pro Thr Ser Pro Met Arg Thr Lys Pro Val Tyr His
85          50          55          60
87      Leu Ser Asp Leu Cys Lys Lys Cys Asp Thr Thr Glu Val Glu Leu Glu
88          65          70          75          80
90      Asp Gln Val Val Thr Ala Ser Gln Ser Asn Ile Cys Asp Ser Asp Ala
91          85          90          95
93      Glu Thr Cys Tyr Thr Tyr Asp Arg Asn Lys Cys Tyr Thr Asn Arg Val
94          100          105          110
96      Lys Leu Ser Tyr Arg Gly Gln Thr Lys Met Val Glu Thr Ala Leu Thr
97          115          120          125
99      Pro Asp Ser Cys Tyr Pro Asp
100          130          135
109 <210> SEQ ID NO: 3
110 <211> LENGTH: 137
E--> 111 <212> TYPE: Protein
112 <213> ORGANISM: Rabbit
114 <220> FEATURE:
W--> 115 <221> NAME/KEY: misc-feature
116 <222> LOCATION: Synthetic polypeptide J chain
118 <400> SEQUENCE: 3
119      Asp Asp Glu Ala Thr Ile Leu Ala Asp Asn Lys Cys Met Cys Thr Arg
120      1          5          10          15
122      Val Thr Ser Arg Ile Ile Pro Ser Thr Glu Asp Pro Asn Glu Asp Ile
123          20          25          30
125      Val Glu Arg Asn Ile Arg Ile Val Val Pro Leu Asn Asn Arg Glu Asn
126          35          40          45
128      Ile Ser Asp Pro Thr Ser Pro Leu Arg Arg Asn Pro Val Tyr His Leu
129          50          55          60
131      Ser Asp Val Cys Lys Lys Cys Asp Pro Val Glu Val Glu Leu Glu Asp
132          65          70          75          80
134      Gln Val Val Thr Ala Thr Gln Ser Asn Ile Cys Asn Glu Asp Asp Gly
135          85          90          95
137      Val Pro Glu Thr Cys Tyr Met Tyr Asp Arg Asn Lys Cys Tyr Thr Thr
138          100          105          110

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/062,467

DATE: 03/04/2003

TIME: 07:56:50

Input Set : A:\EpicYTE(0204).txt

Output Set: N:\CRF4\03042003\J062467.raw

```

140      Met Val Pro Leu Arg Tyr His Gly Glu Thr Lys Met Val Gln Ala Ala
141              115                      120                      125
143      Leu Thr Pro Asp Ser Cys Tyr Pro Asp
144              130                      135
163 <210> SEQ ID NO: 4
164 <211> LENGTH: 136
E--> 165 <212> TYPE: Protein
166 <213> ORGANISM: Bovine
168 <220> FEATURE:
W--> 169 <221> NAME/KEY: misc-feature
170 <222> LOCATION: Synthetic polypeptide J chain
172 <400> SEQUENCE: 4
173      Glu Asp Glu Ser Thr Val Leu Val Asp Asn Lys Cys Gln Cys Val Arg
174              1                      5                      10                      15
176      Ile Thr Ser Arg Ile Ile Arg Asp Pro Asp Asn Pro Ser Glu Asp Ile
177              20                      25                      30
179      Val Glu Arg Asn Ile Arg Ile Ile Val Pro Leu Asn Thr Arg Glu Asn
180              35                      40                      45
182      Ile Ser Asp Pro Thr Ser Pro Leu Arg Thr Glu Pro Lys Tyr Asn Leu
183              50                      55                      60
185      Ala Asn Leu Cys Lys Lys Cys Asp Pro Thr Glu Ile Glu Leu Asp Asn
186              65                      70                      75                      80
188      Gln Val Phe Thr Ala Ser Gln Ser Asn Ile Cys Pro Asp Asp Asp Tyr
189              85                      90                      95
191      Ser Glu Thr Cys Tyr Thr Tyr Asp Arg Asn Lys Cys Tyr Thr Thr Leu
192              100                     105                     110
194      Val Pro Ile Thr His Arg Gly Val Thr Arg Met Val Lys Ala Thr Leu
195              115                     120                     125
197      Thr Pro Asp Ser Cys Tyr Pro Asp
198              130                     135
217 <210> SEQ ID NO: 5
218 <211> LENGTH: 119
E--> 219 <212> TYPE: Protein
220 <213> ORGANISM: Bull frog
222 <220> FEATURE:
W--> 223 <221> NAME/KEY: misc-feature
224 <222> LOCATION: Synthetic polypeptide J chain
226 <400> SEQUENCE: 5
227      Glu Gln Glu Tyr Ile Leu Ala Asn Asn Lys Cys Lys Cys Val Lys Ile
228              1                      5                      10                      15
230      Ser Ser Arg Phe Val Pro Ser Thr Glu Arg Pro Gly Glu Glu Ile Leu
231              20                      25                      30
233      Glu Arg Asn Ile Gln Ile Thr Ile Pro Thr Ser Ser Arg Met Xaa Ile
234              35                      40                      45
236      Ser Asp Pro Tyr Ser Pro Leu Arg Thr Gln Pro Val Tyr Asn Leu Trp
237              50                      55                      60
239      Asp Ile Cys Gln Lys Cys Asp Pro Val Gln Leu Glu Ile Gly Gly Ile
240              65                      70                      75                      80
242      Pro Val Leu Ala Ser Gln Pro Xaa Xaa Ser Xaa Pro Asp Asp Glu Cys

```

## RAW SEQUENCE LISTING

DATE: 03/04/2003

PATENT APPLICATION: US/10/062,467

TIME: 07:56:50

Input Set : A:\Epicyte(0204).txt

Output Set: N:\CRF4\03042003\J062467.raw

```

243          85          90          95
245      Tyr Thr Thr Glu Val Asn Phe Lys Lys Val Pro Leu Thr Pro Asp
246          100          105          110
248      Ser Cys Tyr Glu Tyr Ser Glu
249          115
252 <210> SEQ ID NO: 6
253 <211> LENGTH: 129
E--> 254 <212> TYPE: Protein
255 <213> ORGANISM: Earthworm
257 <220> FEATURE:
W--> 258 <221> NAME/KEY: misc-feature
259 <222> LOCATION: Synthetic polypeptide J chain → 2237
261 <400> SEQUENCE: 6
262      Asn Lys Cys Met Cys Thr Arg Val Thr Ala Arg Ile Arg Gly Thr Arg
263      1          5          10          15
265      Glu Asp Pro Asn Glu Asp Ile Val Glu Arg Tyr Ile Arg Ile Asn Val
266          20          25          30
268      Pro Leu Lys Asn Arg Gly Asn Ile Ser Asp Pro Thr Ser Pro Leu Arg
269          35          40          45
272      Asn Gln Pro Val Tyr His Leu Ser Pro Ser Cys Lys Lys Cys Asp Pro
273          50          55          60
275      Tyr Glu Asp Gly Val Val Thr Ala Thr Glu Thr Asn Ile Cys Tyr Pro
276          65          70          75          80
278      Asp Gln Gly Val Pro Gln Ser Cys Arg Asp Tyr Cys Pro Glu Leu Asp
279          85          90          95
281      Arg Asn Lys Cys Tyr Thr Val Leu Val Pro Pro Gly Tyr Thr Gly Glu
282          100          105          110
284      Thr Lys Met Val Gln Asn Ala Leu Thr Pro Asp Ala Cys Tyr Pro Asp
285          115          120          125
536 <210> SEQ ID NO: 16
537 <211> LENGTH: 61 198 shown below
538 <212> TYPE: DNA
539 <213> ORGANISM: Artificial Sequence
541 <220> FEATURE:
W--> 542 <221> NAME/KEY: misc-feature This goes on 2237 line
543 <222> LOCATION: Description of Artificial Sequence: Nucleotide sequence of TpS2
-> 545 <223> OTHER INFORMATION: FYI: all nucleotides MUST be in lower-case letters, when
W--> 545 <400> 16 using
C--> 546 gcgatgacga cgataaggcc caaacggaga cctgtactgt tgcgcctcgt gaacggcaaa 60 new
548 actgcggatt cccggaagta acaccctctc agtgcgctaa taaaggctgc tgttttgatg 120
550 acacggtacg gggcgttccg tgggtgcttct accccaatac aattgacgtt ccgcctgaag 180
E--> 552 aagagtgcga gccgtaag 198 Sequence
555 <210> SEQ ID NO: 17 Rules
556 <211> LENGTH: 138 format
E--> 557 <212> TYPE: Protein
558 <213> ORGANISM: Artificial Sequence
560 <220> FEATURE:
W--> 561 <221> NAME/KEY: misc-feature 2237
562 <222> LOCATION: Description of Artificial Sequence: Synthetic polypeptide of "full
length" TM cDNA

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/062,467

DATE: 03/04/2003

TIME: 07:56:50

Input Set : A:\Epicyte(0204).txt

Output Set: N:\CRF4\03042003\J062467.raw

## W--&gt; 564 &lt;223&gt; OTHER INFORMATION:

## W--&gt; 564 &lt;400&gt; 17

565 Asp Gln Glu Asp Glu Arg Ile Val Leu Val Asp Asn Lys Cys Lys Cys  
 566 1 5 10 15  
 568 Ala Arg Ile Thr Ser Arg Ile Ile Arg Ser Ser Glu Asp Pro Asn Glu  
 569 20 25 30  
 571 Asp Ile Val Glu Arg Asn Ile Arg Ile Ile Val Pro Leu Asn Asn Arg  
 572 35 40 45  
 574 Glu Asn Ile Ser Asp Pro Thr Ser Pro Leu Arg Thr Arg Phe Val Tyr  
 575 50 55 60  
 577 His Leu Ser Asp Leu Cys Lys Lys Cys Asp Pro Thr Glu Val Glu Leu  
 578 65 70 75 80  
 580 Asp Asn Gln Ile Val Thr Ala Thr Gln Ser Asn Ile Cys Asp Glu Asp  
 581 85 90 95  
 583 Ser Ala Thr Glu Thr Cys Ser Thr Tyr Asp Arg Asn Lys Cys Tyr Thr  
 584 100 105 110  
 586 Ala Val Val Pro Leu Val Tyr Gly Gly Glu Thr Lys Met Val Glu Thr  
 587 115 120 125  
 589 Ala Leu Thr Pro Asp Ala Cys Tyr Pro Asp  
 590 130 135

593 &lt;210&gt; SEQ ID NO: 18

594 &lt;211&gt; LENGTH: 71

## E--&gt; 595 &lt;212&gt; TYPE: Protein

596 &lt;213&gt; ORGANISM: Artificial Sequence

598 &lt;220&gt; FEATURE:

## W--&gt; 599 &lt;221&gt; NAME/KEY: misc-feature

600 &lt;222&gt; LOCATION: Description of Artificial Sequence: Synthetic polypeptide of Core TM

cDNA

## W--&gt; 602 &lt;223&gt; OTHER INFORMATION:

## W--&gt; 602 &lt;400&gt; 18

603 Asp Gln Lys Cys Lys Cys Ala Arg Ile Thr Ser Arg Ile Ile Arg Ser  
 604 1 5 10 15  
 606 Ser Glu Asp Pro Asn Glu Asp Ile Val Glu Arg Asn Ile Arg Ile Ile  
 607 20 25 30  
 609 Val Pro Leu Asn Asn Arg Glu Asn Ile Ser Asp Pro Thr Ser Pro Leu  
 610 35 40 45  
 612 Arg Thr Arg Phe Val Tyr His Leu Ser Asp Leu Cys Lys Lys Asp Glu  
 613 50 55 60  
 615 Asp Ser Ala Thr Glu Thr Cys  
 616 65 70

619 &lt;210&gt; SEQ ID NO: 19

620 &lt;211&gt; LENGTH: 49

## E--&gt; 621 &lt;212&gt; TYPE: Protein

622 &lt;213&gt; ORGANISM: Artificial Sequence

624 &lt;220&gt; FEATURE:

## W--&gt; 625 &lt;221&gt; NAME/KEY: misc-feature

626 &lt;222&gt; LOCATION: Description of Artificial Sequence: Synthetic polypeptide of C2

fragment

## W--&gt; 628 &lt;223&gt; OTHER INFORMATION:

## W--&gt; 628 &lt;400&gt; 19

629 Ser Arg Ile Ile Arg Ser Ser Glu Asp Pro Asn Glu Asp Ile Val Glu

## RAW SEQUENCE LISTING

DATE: 03/04/2003

PATENT APPLICATION: US/10/062,467

TIME: 07:56:50

Input Set : A:\Epicyte(0204).txt

Output Set: N:\CRF4\03042003\J062467.raw

```

630      1          5          10          15
632      Arg Asn Ile Arg Ile Ile Val Pro Leu Asn Asn Arg Glu Asn Ile Ser
633          20          25          30
635      Asp Pro Thr Ser Pro Leu Arg Thr Arg Phe Val Tyr His Leu Ser Asp
636          35          40          45
638      Leu
641 <210> SEQ ID NO: 20
642 <211> LENGTH: 12
E--> 643 <212> TYPE: Protein
644 <213> ORGANISM: Artificial Sequence
646 <220> FEATURE:
W--> 647 <221> NAME/KEY: misc-feature
648 <222> LOCATION: Description of Artificial Sequence: Synthetic polypeptide of D 1.1
fragment
W--> 650 <223> OTHER INFORMATION:
W--> 650 <400> 20
651      Asp Gln Lys Cys Lys Cys Ala Arg Ile Thr Ser Arg
652      1          5          10
655 <210> SEQ ID NO: 21
656 <211> LENGTH: 14
E--> 657 <212> TYPE: Protein
658 <213> ORGANISM: Artificial Sequence
660 <220> FEATURE:
W--> 661 <221> NAME/KEY: misc-feature
662 <222> LOCATION: Description of Artificial Sequence: Synthetic polypeptide of L3D
fragment
W--> 664 <223> OTHER INFORMATION:
W--> 664 <400> 21
665      Asp Leu Cys Lys Lys Asp Glu Asp Ser Ala Thr Glu Thr Cys
666      1          5          10
669 <210> SEQ ID NO: 22
670 <211> LENGTH: 36
E--> 671 <212> TYPE: Protein
672 <213> ORGANISM: Artificial Sequence
674 <220> FEATURE:
W--> 675 <221> NAME/KEY: misc-feature
676 <222> LOCATION: Description of Artificial Sequence: Synthetic polypeptide of T4
fragment
W--> 678 <223> OTHER INFORMATION:
W--> 678 <400> 22
679      Ser Thr Tyr Asp Arg Asn Lys Cys Tyr Thr Ala Val Val Pro Leu Val
680      1          5          10          15
682      Tyr Gly Gly Glu Thr Lys Met Val Glu Thr Ala Leu Thr Pro Asp Ala
683          20          25          30
685      Cys Tyr Pro Asp
686          35
692 <210> SEQ ID NO: 23
693 <211> LENGTH: 93
E--> 694 <212> TYPE: Protein
695 <213> ORGANISM: Artificial Sequence
697 <220> FEATURE:
W--> 698 <221> NAME/KEY: misc-feature

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/062,467

DATE: 03/04/2003

TIME: 07:56:50

Input Set : A:\Epicyte(0204).txt

Output Set: N:\CRF4\03042003\J062467.raw

699 <222> LOCATION: Description of Artificial Sequence: Synthetic polypeptide of Core TM cDNA using L3

W--> 701 <223> OTHER INFORMATION: ←

W--> 701 <400> 23

702 Asp Asn Lys Cys Lys Cys Ala Arg Ile Thr Ser Arg Ile Ile Arg Ser  
703 1 5 10 15

705 Ser Glu Asp Pro Asn Glu Asp Ile Val Glu Arg Asn Ile Arg Ile Ile  
706 20 25 30

708 Val Pro Leu Asn Asn Arg Glu Asn Ile Ser Asp Pro Thr Ser Pro Leu  
709 35 40 45

711 Arg Thr Arg Phe Val Tyr His Leu Ser Asp Leu Cys Lys Lys Cys Asp  
712 50 55 60

714 Pro Thr Glu Val Glu Leu Asp Asn Gln Ile Val Thr Ala Thr Gln Ser  
715 65 70 75 80

717 Asn Ile Cys Asp Glu Asp Ser Ala Thr Glu Thr Cys Tyr  
718 85 90

721 <210> SEQ ID NO: 24

722 <211> LENGTH: 35

E--> 723 <212> TYPE: Protein

724 <213> ORGANISM: Artificial Sequence

726 <220> FEATURE:

W--> 727 <221> NAME/KEY: misc-feature

728 <222> LOCATION: Description of Artificial Sequence: Synthetic polypeptide of L3 fragment

W--> 730 <223> OTHER INFORMATION: ←

W--> 730 <400> 24

731 Asp Leu Cys Lys Lys Cys Asp Pro Thr Glu Val Glu Leu Asp Asn Gln  
732 1 5 10 15

734 Ile Val Thr Ala Thr Gln Ser Asn Ile Cys Asp Glu Asp Ser Ala Thr  
735 20 25 30

737 Leu Trp Thr

738 35

744 <210> SEQ ID NO: 25

745 <211> LENGTH: 22

E--> 746 <212> TYPE: Protein

747 <213> ORGANISM: Artificial Sequence

749 <220> FEATURE:

W--> 750 <221> NAME/KEY: misc-feature

751 <222> LOCATION: Description of Artificial Sequence: Synthetic polypeptide of D1 fragment

W--> 753 <223> OTHER INFORMATION: ←

W--> 753 <400> 25

754 Asp Gln Glu Asp Glu Arg Ile Val Leu Val Asp Asn Lys Cys Lys Cys  
755 1 5 10 15

757 Ala Arg Ile Thr Ser Arg

758 20

761 <210> SEQ ID NO: 26

762 <211> LENGTH: 66

E--> 763 <212> TYPE: Protein

764 <213> ORGANISM: Artificial Sequence

766 <220> FEATURE:

W--> 767 <221> NAME/KEY: misc-feature



## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/062,467


DATE: 03/04/2003

TIME: 07:56:50

Input Set : A:\Epicyte(0204).txt

Output Set: N:\CRF4\03042003\J062467.raw

768 <222> LOCATION: Description of Artificial Sequence: Synthetic polypeptide of TpS2

W--> 770 <223> OTHER INFORMATION: 

W--> 770 <400> 26

771	Cys Ser Asp Asp Asp Asp Lys Ala Gln Thr Glu Thr Cys Thr Val Ala
772	1 5 10 15
774	Pro Arg Glu Arg Gln Asn Cys Gly Phe Pro Gly Val Thr Pro Ser Gln
775	20 25 30
777	Cys Ala Asn Lys Gly Cys Cys Phe Asp Asp Thr Val Arg Gly Val Pro
778	35 40 45
780	Trp Cys Phe Tyr Pro Asn Thr Ile Asp Val Pro Pro Glu Glu Glu Cys
781	50 55 60

970 <210> SEQ ID NO: 37

971 <211> LENGTH: 13


E--> 972 <212> TYPE: Protein

973 <213> ORGANISM: Artificial Sequence

975 <220> FEATURE:

W--> 976 <221> NAME/KEY: misc-feature

977 <222> LOCATION: Description of Artificial Sequence: Domain 1, 13 amino peptide with substantial (-sheet character

W--> 979 <223> OTHER INFORMATION: 

W--> 979 <400> 37

980	Asp Gln Glu Asp Glu Arg Ile Val Leu Val Asp Asn Lys
981	1 5 10

984 <210> SEQ ID NO: 38

985 <211> LENGTH: 7

E--> 986 <212> TYPE: Protein

987 <213> ORGANISM: Tobacco etch virus

989 <220> FEATURE:

W--> 990 <221> NAME/KEY: misc-feature *goes on <223> line*

991 <222> LOCATION: Peptide recognized by the tobacco etch virus protease Nla

993 <400> SEQUENCE: 38

994	Glu Asn Leu Tyr Phe Gln Ser
995	1 5

1003 <210> SEQ ID NO: 39

1004 <211> LENGTH: 11

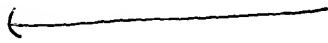
E--> 1005 <212> TYPE: Protein

1006 <213> ORGANISM: Artificial Sequence

1008 <220> FEATURE:

W--> 1009 <221> NAME/KEY: misc-feature

1010 <222> LOCATION: Description of Artificial Sequence: Synthetic polypeptide residues from pro-cathepsin E

W--> 1012 <223> OTHER INFORMATION: 

W--> 1012 <400> 39

1013	Lys Ala His Lys Val Asp Met Val Gln Tyr Thr
1014	1 5 10

1017 <210> SEQ ID NO: 40

1018 <211> LENGTH: 4

E--> 1019 <212> TYPE: Protein

1020 <213> ORGANISM: Artificial Sequence

1022 <220> FEATURE:

W--> 1023 <221> NAME/KEY: misc-feature

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/062,467

DATE: 03/04/2003

TIME: 07:56:50

Input Set : A:\Epicyte(0204).txt

Output Set: N:\CRF4\03042003\J062467.raw

1024' <222> LOCATION: Description of Artificial Sequence: Linker from procathepsin  
W--> 1026 <223> OTHER INFORMATION: ↵  
W--> 1026 <400> 40  
1027 Val Gln Tyr Thr  
1028 1  
1162 <210> SEQ ID NO: 49  
1163 <211> LENGTH: ⑥ 31 shown  
1164 <212> TYPE: DNA  
1165 <213> ORGANISM: Artificial Sequence  
1167 <220> FEATURE:  
W--> 1168 <221> NAME/KEY: misc-feature  
1169 <222> LOCATION: Description of Artificial Sequence: Oligonucleotide 1.2  
W--> 1171 <223> OTHER INFORMATION: ↵  
W--> 1171 <400> 49  
E--> 1172 ctagaagtaa tacgagcaca cttgcacttc t 31  
1245 <210> SEQ ID NO: 54  
1246 <211> LENGTH: ⑥ 47  
1247 <212> TYPE: DNA  
1248 <213> ORGANISM: Artificial Sequence  
1250 <220> FEATURE:  
W--> 1251 <221> NAME/KEY: misc-feature  
1252 <222> LOCATION: Description of Artificial Sequence: Oligonucleotide 3  
W--> 1254 <223> OTHER INFORMATION: ↵  
W--> 1254 <400> 54  
E--> 1255 ctagaatcat ccgtagctca gaggacccaa atgaagatat agtcgaa 47

The type of errors shown exist throughout  
the entire listing. Please check subsequent  
sequences for similar errors.

IMPORTANT

**RAW SEQUENCE LISTING ERROR SUMMARY**  
**PATENT APPLICATION: US/10/062,467**

DATE: 03/04/2003  
 TIME: 07:56:51

Input Set : A:\EpicYTE(0204).txt  
 Output Set: N:\CRF4\03042003\J062467.raw

**Invalid Line Length:**

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:7; Line(s) 299  
 Seq#:13; Line(s) 455  
 Seq#:17; Line(s) 562  
 Seq#:18; Line(s) 600  
 Seq#:20; Line(s) 648  
 Seq#:21; Line(s) 662  
 Seq#:23; Line(s) 699  
 Seq#:27; Line(s) 791  
 Seq#:28; Line(s) 818  
 Seq#:29; Line(s) 837  
 Seq#:30; Line(s) 855  
 Seq#:32; Line(s) 881  
 Seq#:33; Line(s) 907  
 Seq#:34; Line(s) 928  
 Seq#:35; Line(s) 943  
 Seq#:36; Line(s) 958  
 Seq#:37; Line(s) 977  
 Seq#:39; Line(s) 1010  
 Seq#:42; Line(s) 1063  
 Seq#:43; Line(s) 1084  
 Seq#:45; Line(s) 1118  
 Seq#:86; Line(s) 1725

**Use of <220> Feature(NEW RULES) :**

Sequence(s) are missing the <220> Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31  
 Seq#:32,33,34,35,36,37,39,40,42,43,44,46,47,48,49,50,51,52,53,54,55,56,57,58  
 Seq#:59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82  
 Seq#:83,84,85,86,87,88,89,90,91,92,93

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/062,467

DATE: 03/04/2003

TIME: 07:56:51

Input Set : A:\Epicyte(0204).txt

Output Set: N:\CRF4\03042003\J062467.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number  
 L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
 L:28 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:32 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
 L:67 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:71 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2  
 L:111 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:115 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3  
 L:165 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:169 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4  
 L:219 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:223 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5  
 L:254 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:258 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6  
 L:298 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7  
 L:301 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:7, <213>  
 ORGANISM:Artificial Sequence  
 L:301 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:301  
 L:302 M:112 C: (48) String data converted to lower case,  
 M:112 Repeated in SeqNo=7  
 L:351 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8  
 L:354 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:8, <213>  
 ORGANISM:Artificial Sequence  
 L:354 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:8,Line#:354  
 L:355 M:112 C: (48) String data converted to lower case,  
 M:112 Repeated in SeqNo=8  
 L:383 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9  
 L:386 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:9, <213>  
 ORGANISM:Artificial Sequence  
 L:386 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:386  
 L:387 M:112 C: (48) String data converted to lower case,  
 M:112 Repeated in SeqNo=9  
 L:400 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10  
 L:403 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213>  
 ORGANISM:Artificial Sequence  
 L:403 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:403  
 L:404 M:112 C: (48) String data converted to lower case,  
 L:417 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11  
 L:420 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>  
 ORGANISM:Artificial Sequence  
 L:420 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:420  
 L:421 M:112 C: (48) String data converted to lower case,  
 L:423 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:11  
 M:112 Repeated in SeqNo=11  
 L:435 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:12  
 L:438 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>  
 ORGANISM:Artificial Sequence  
 L:438 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:438  
 L:439 M:112 C: (48) String data converted to lower case,  
 M:112 Repeated in SeqNo=12  
 L:454 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13  
 L:457 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:13, <213>  
 ORGANISM:Artificial Sequence

L:457 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:13,Line#:457  
L:458 M:112 C: (48) String data converted to lower case,

## VERIFICATION SUMMARY

DATE: 03/04/2003

PATENT APPLICATION: US/10/062,467

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Input Set : A:\Epicyte(0204).txt

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L:460 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:13  
 M:112 Repeated in SeqNo=13  
 L:464 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:13  
 L:468 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:13  
 L:472 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:13  
 L:476 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:13  
 L:484 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:13  
 L:499 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
 L:502 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:14, <213>  
 ORGANISM:Artificial Sequence  
 L:502 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:502  
 L:503 M:112 C: (48) String data converted to lower case,  
 L:505 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:14  
 M:112 Repeated in SeqNo=14  
 L:509 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:14  
 L:522 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
 L:525 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:15, <213>  
 ORGANISM:Artificial Sequence  
 L:525 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:15,Line#:525  
 L:526 M:112 C: (48) String data converted to lower case,  
 M:112 Repeated in SeqNo=15  
 L:542 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
 L:545 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:16, <213>  
 ORGANISM:Artificial Sequence  
 L:545 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:16,Line#:545  
 L:546 M:112 C: (48) String data converted to lower case,  
 M:112 Repeated in SeqNo=16  
 L:552 M:252 E: No. of Seq. differs, <211> LENGTH:Input:61 Found:198 SEQ:16  
 L:557 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:561 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17  
 L:564 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:17, <213>  
 ORGANISM:Artificial Sequence  
 L:564 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:17,Line#:564  
 L:595 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:599 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:18  
 L:602 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:18, <213>  
 ORGANISM:Artificial Sequence  
 L:602 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:18,Line#:602  
 L:621 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:625 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:19  
 L:628 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:19, <213>  
 ORGANISM:Artificial Sequence  
 L:628 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:19,Line#:628  
 L:643 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:647 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20  
 L:650 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:20, <213>  
 ORGANISM:Artificial Sequence  
 L:650 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:20,Line#:650  
 L:657 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:661 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21  
 L:664 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:21, <213>  
 ORGANISM:Artificial Sequence  
 L:664 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:21,Line#:664

L:671 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
L:675 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22  
L:678 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:22, <213>  
ORGANISM:Artificial Sequence  
L:678 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:22,Line#:678

## VERIFICATION SUMMARY

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Input Set : A:\Epicyte(0204).txt

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L:694 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:698 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23  
 L:701 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:23, <213>  
 ORGANISM:Artificial Sequence  
 L:701 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:23,Line#:701  
 L:723 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:727 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:24  
 L:730 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:24, <213>  
 ORGANISM:Artificial Sequence  
 L:730 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:24,Line#:730  
 L:746 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:750 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
 L:753 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:25, <213>  
 ORGANISM:Artificial Sequence  
 L:753 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:25,Line#:753  
 L:763 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:767 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
 L:770 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:26, <213>  
 ORGANISM:Artificial Sequence  
 L:770 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:26,Line#:770  
 L:790 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
 L:793 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:27, <213>  
 ORGANISM:Artificial Sequence  
 L:793 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:27,Line#:793  
 L:794 M:112 C: (48) String data converted to lower case,  
 M:112 Repeated in SeqNo=27  
 L:817 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
 L:820 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:28, <213>  
 ORGANISM:Artificial Sequence  
 L:820 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:28,Line#:820  
 L:821 M:112 C: (48) String data converted to lower case,  
 M:112 Repeated in SeqNo=28  
 L:836 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:29  
 L:839 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:29, <213>  
 ORGANISM:Artificial Sequence  
 L:839 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:29,Line#:839  
 L:840 M:112 C: (48) String data converted to lower case,  
 M:112 Repeated in SeqNo=29  
 L:854 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30  
 L:857 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:30, <213>  
 ORGANISM:Artificial Sequence  
 L:857 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:30,Line#:857  
 L:858 M:112 C: (48) String data converted to lower case,  
 L:867 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31  
 L:870 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:31, <213>  
 ORGANISM:Artificial Sequence  
 L:870 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:31,Line#:870  
 L:871 M:112 C: (48) String data converted to lower case,  
 L:880 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
 L:884 M:112 C: (48) String data converted to lower case,  
 M:112 Repeated in SeqNo=32  
 L:906 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
 L:910 M:112 C: (48) String data converted to lower case,



M:112 Repeated in SeqNo=33

L:927 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:34

L:931 M:112 C: (48) String data converted to lower case,

M:112 Repeated in SeqNo=34

L:942 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:35

## VERIFICATION SUMMARY

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Input Set : A:\Epicyte(0204).txt

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L:946 M:112 C: (48) String data converted to lower case,  
 M:112 Repeated in SeqNo=35  
 L:957 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:36  
 L:961 M:112 C: (48) String data converted to lower case,  
 M:112 Repeated in SeqNo=36  
 L:972 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:976 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:37  
 L:986 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:990 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:38  
 L:1005 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:1009 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:39  
 L:1019 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:1023 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:40  
 L:1033 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:1037 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:41  
 L:1061 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
 L:1062 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:42  
 L:1066 M:112 C: (48) String data converted to lower case,  
 L:1068 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:42  
 M:112 Repeated in SeqNo=42  
 L:1072 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:42  
 L:1079 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:1083 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:43  
 L:1096 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:1100 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:44  
 L:1110 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:1114 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:45  
 L:1127 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:46  
 L:1131 M:112 C: (48) String data converted to lower case,  
 M:112 Repeated in SeqNo=46  
 L:1141 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
 L:1145 M:112 C: (48) String data converted to lower case,  
 M:112 Repeated in SeqNo=47  
 L:1156 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:48  
 L:1160 M:112 C: (48) String data converted to lower case,  
 L:1168 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49  
 L:1172 M:112 C: (48) String data converted to lower case,  
 L:1172 M:252 E: No. of Seq. differs, <211> LENGTH:Input:6 Found:31 SEQ:49  
 L:1182 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:50  
 L:1186 M:112 C: (48) String data converted to lower case,  
 M:112 Repeated in SeqNo=50  
 L:1201 M:112 C: (48) String data converted to lower case,  
 M:112 Repeated in SeqNo=51  
 L:1225 M:112 C: (48) String data converted to lower case,  
 L:1255 M:252 E: No. of Seq. differs, <211> LENGTH:Input:61 Found:47 SEQ:54  
 L:1679 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:1703 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:1720 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
 L:1838 M:310 E: (3) Wrong or Missing Sequence Type, TYPE: